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In the Specification

Please replace the paragraph beginning at Page 20, line 9 with the following:

Step 97 in FIG. 4 loads the EMC_STARTIO module 65 into the common address space 50. As previously stated, the EMC_STARTIO module 65 operates before the MVS_STARTIO module 56. Step 97 also loads the ptr_MVS_STARTIO pointer 55 and the ptr_EMV_STARTIO pointer 66 into locations 98 and 99 in FIG. 5, respectively. Step 100 in FIG. 4 loads an EMC_IOSVSCP module 67 into the common address space 50 and the ptr_MVS_IOSVSCP pointer 57 and the ptr_EMV_IOSVSCP pointer 68 into locations 101 and 102, respectively. Similarly, step 103 loads the EMC_I/O_INTERRUPT_TRACE module 69 into the common space 50 of FIG. 2 to be used before the MVS_I/O_INTERRUPT_TRACE module 64.

Step 103 additionally loads pointers to the MVS_I/O_INTERRUPT_TRACE module 64 and an EMC_I/O_INTERRUPT_TRACE module 69 into locations 104 and 105, respectively. This completes the process by which the PAV application is readied to respond to I/O requests in accordance with this invention.

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Please replace the paragraph beginning at Page 51, line 10 with the following:

If valid entries exist, step 356 transfers to step 361 that initiates a search for overlaps before storing the entry finally in the extent queue table 301. FIG. 16 depicts the procedure of step 361 in greater detail. Specifically FIG. 16 depicts SEARCH_FOR_OVERLAP module 311. This module begins when step 369 sets an initial value of "0" for the return code. Step 370 selects a first entry in the extent queue table 301. Step 371 tests the VALID flag 327. If it is not set, step 371 transfers to step 372 and step 373 that control a loop to obtain a next entry from the extent queue table [[39]]301 in FIG. 13. If a valid entry is found, step 371 in FIG. 16 transfers to step 374 to test the SYNC flag 331. If the SYNC flag is set, step 375 establishes an EXT_Q_FORCE_OVERRUN return code indicating that no other I/O requests should be handled until such time as any SYNC entry in the extent queue table 301 has been completed. If the SYNC flag is not set, step 374 transfers to step 376 that uses the EXTENT_IS_OVERLAPPED module 312 to determine if any overlap exists between the starting and ending track addresses of the entry in the selected entry of the extent queue table 301 and the starting and ending track addresses for the record entry being analyzed.